

# SCDXC Newsletter



The Southern California DX Club is a group of dedicated men and women active in the amateur radio community who enjoy communicating over the air with other radio amateurs around the world.

The SCDXC strongly supports the DX Code of Conduct. Please visit their website:

[www.dx-code.org](http://www.dx-code.org)

The SCDXC newsletter is published monthly and released to club members around the first of each month. Amateur and DX related letters, news and pictures are welcome and will be published as time and space permit.

Articles will be republished with recognition of the author and the club. Re-use of copyrighted materials require the original author's permission.

Any questions regarding this newsletter or its articles should be addressed to the Editor, Bill, N6RV at:

[n6rv@scdxc.org](mailto:n6rv@scdxc.org)

Club meetings are held on the second Thursday of the month at 7:00 PM except April, June and December.

Please check the club web site for events and details at:

<http://www.scdxc.org>

If you are in the area please say hello on our repeater:

W6AM/R 145.48, (-) PL 100.0

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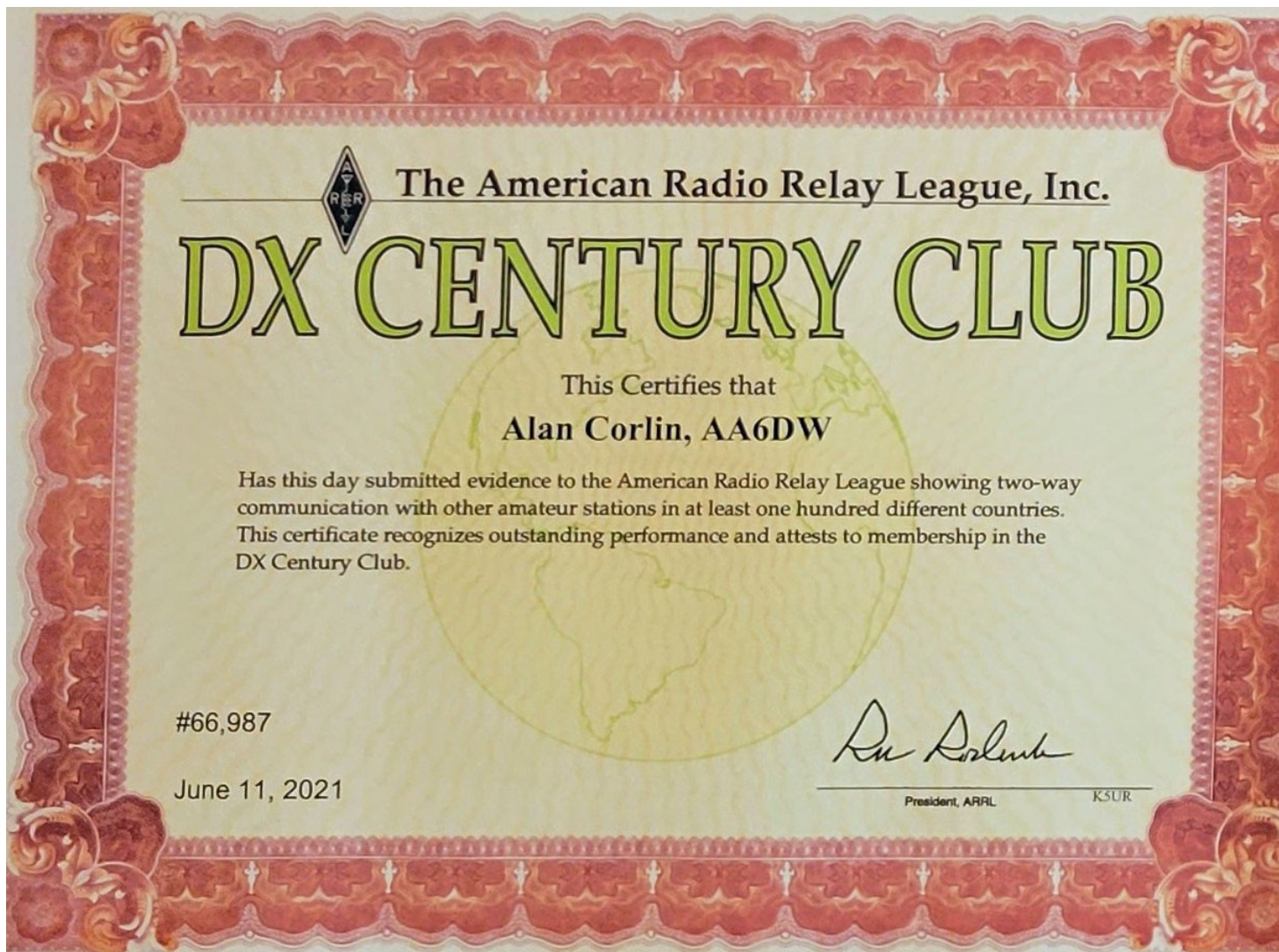
*If you need him get in there and work him"*





## Alan Corlin AA6DW Earns DXCC!

We have another Full Member! That makes two in tow months. Alan is a longtime DXer who, as many know through Don, NK6A, has put up a great station in Santa Ynez. May you have many more wonderful DX QSOs for years to come!





## **2022 International DX Convention at Visalia!**

**Wyndham Hotel April 8, 9, 10**

**Hotel Reservations Begin July 12<sup>th</sup> at 10 AM PST**

Since 1949 DXers have been meeting in Central California every year. For the majority of the time, we met in Visalia. 2022 will be our 73<sup>rd</sup> year. Initially it began as Northern Californians and Southern Californians meeting at a central point to share a lunch and swap stories of the ones that got away. Then some stayed for dinner and then overnight. It grew into a large congregation. Today it is a 3-day event with a dozen or more programs and presentations, a lunch, a banquet, and a breakfast. Some come in as early as Wednesday and others leaving as late as Monday. Hams from all over the globe began to attend and in the 80s it formally became the International DX Convention. It is hosted every other year by two clubs. The Northern California DX Club hosts on the odd years and The Southern California DX Club hosts the even. In 2020 COVID struck. Everything came to a sudden halt. The 2020 convention was cancelled just months before the event. All the preparations were in place and it was a job to unravel all that was so neatly put together. In 2021 The Northern California DX Club took the initiative to go virtual. It was a good convention but it was woefully lacking in the basic motivation, that is, to meet face to face. This year we are returning to that old and celebrated tradition.

In 2013 we moved to the Visalia Convention Center (VCC). It has served us well but we noticed that the attendance had been falling off at a rate of around 50 per year. Furthermore, just coming out of the COVID restrictions, there is an uncertainty as to how many will attend. In the past the number has been between 600 and 750. We were told it was one of the biggest annual events in Visalia. As you can imagine, the age demographic has shifted to a more mature group which too adds to the uncertainty. Travel and mobility are becoming an issue. For some, the VCC was too spread out and walking was a chore. It also lacked the congenial environment a smaller venue afforded. With that in mind the convention committee decided to return to the facility that served us well for many years, The Wyndham. We have reserved the whole facility for April 8 - 10, 2022. There is no facility cost. It is free to us provided we fill the rooms reserved. This is a great relief. The costs at the VCC were in the vicinity of \$23,000. What offset these costs was an increase in the hotel room rental that was passed on to the attendees as an increase of \$15 per room-night. This only defrayed some of that cost. Furthermore, the VCC started charging a \$4 per night parking fee. The Wyndham has given us a very favorable rate, \$109 per night. Other hotels are following suit. If you recall the room costs in 2019 this is a great savings! Furthermore, the whole facility is at our disposal!

**Reservations will commence at 10 AM PST on July 12<sup>th</sup>**

**We have 4 hotel commitments so far**

**The Wyndham, Best Western (John Jay), The Lamp Liter & La Quinta**

**Keep an eye out on our website for the announcement!**

**SEE YOU IN VISALIA!!!!**



## 2022 International DX Convention Help

The 2022 convention will be live! To date we have 19 committee seats filled and 6 volunteer helpers! **In order for the convention to proceed we need the 3 remaining positions filled!** Note that we are also looking for part time helpers as well. If you feel so inclined please join us! We will make the IDXC great again!

### 2022 IDXC Chairman

#### 2022 CONVENTION COMMITTEE

POSITION	NAME	CALL
EMCEE	CHIP MARGELLI	K7JA
CO-CHAIRMAN	BILL KENDRICK	N6RV
CO-CHAIRMAN	MEL HUGHES	K6SY
TREASURER	BILL KENDRICK	N6RV
REGISTRATION	KRIS JACOB	KC6TOD
BANQUET SEATING	MEL HUGHES	K6SY
<b>VENDORS</b>		
<b>PRIZES</b>		
PRIZE ROOM	TOM MYRICK/SDDXC	N6JOJ
AUDIO/VISUAL	TERRY DENNISON	K9TAD
PROGRAM BOOKLET	BILL KENDRICK	N6RV
SPECIAL EVENT STATION	BILL ERICKSON	N6MXU
DX GUESTS	JOE LOCASIO	K5KT
PROGRAMS	BILL KENDRICK	N6RV
RAFFLE TICKET SALES	GEORGE JACOB	N6VNI
DX CARD CHECKING	JOHN SCHROEDER	N6QQ
GOLF TOURNAMENT	SKIP BOLNICK	KJ6Y
SATURDAY TOUR		
REGISTRATION PACKET DISTRIBUTION	SDDXC	
<b>WEBMASTER</b>		
VENDOR ROOM	LARRY MALLEK	K6YUI
SIGNAGE		



## **The July General Meeting**

### **July 8, 2021 7 PM PDST**

Our July meeting will again be by ZOOM. See the links below.

The meeting begins at 7 PM. There is a half hour before the meeting to meet and greet (6:30 PM) and a half hour before that to check out your gear (6 PM).

Southern California DX Club SCDXC is inviting you to a scheduled Zoom meeting.

Topic: Southern California DX Club SCDXC's Zoom Meeting

Time: Jul 8, 2021 06:00 PM Pacific Time (US and Canada)

Join Zoom Meeting

<https://zoom.us/j/98018400097?pwd=NDJ2M2ljSE9OeFZzVld0d1ZtQ3pSZz09>

Meeting ID: 980 1840 0097

Passcode: 878967

One tap mobile

+16699009128,,98018400097#,,,,\*878967# US (San Jose)

+13462487799,,98018400097#,,,,\*878967# US (Houston)

Dial by your location

+1 669 900 9128 US (San Jose)

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+1 253 215 8782 US (Tacoma)

+1 646 558 8656 US (New York)

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

Meeting ID: 980 1840 0097

Passcode: 878967

Find your local number: <https://zoom.us/u/abCQdxFhiw>



## July Speaker

### Lance Collister, W7GJ

### Moonbounce

Lance Collister currently holds Amateur Extra Class license callsign W7GJ. On September 21, 2016, he celebrated his 50 year anniversary of being a licensed amateur radio operator.

Lance received his first ham radio license WN3GPL in 1965 at the age of fourteen. His first contact was in Lancaster, PA on 2m AM with a Heathkit Twoer. From that first contact, he was hooked on VHF DXing and soon became active on 2m meteor scatter and aurora. While earning bachelor degrees in both Physics and Religion, he helped form the Middlebury College Amateur Radio Club. He copied his first 2m EME signal in 1974, and wrote his first moontracking computer program that same year. As WA1JXN in Vermont, he completed his first 2m EME contact by working W6PO on March 17, 1978. The following year, he moved to Frenchtown, Montana and on December 1, 1983, he gained notoriety in the worldwide amateur radio community by being the first civilian to contact space, using his 2m EME array to complete a 2m contact with astronaut W5LFL aboard STS-9. He also took first place worldwide on 2m in the ARRL International EME Competition that same year. In the early 1980's, he was active on the Board of Directors of the CSVHFS and helped develop and promote the Maidenhead grid awards that later became the ARRL VUCC program. In September 1999, he achieved 2m DXCC #11, by CW on EME. He made four CW 2m EME DXpeditions to C6 (The Bahamas) and two to ZF (Cayman Islands).

In 1996, he upgraded to Amateur Extra class and obtained the callsign of W7GJ. He constructed his first 6m antenna and amplifier. Later that year, he completed his first 6m EME contact by working SM7BAE on CW. He achieved 6m DXCC #815 in 2005. With the advent of the digital transmission mode of JT65A and expansion of his 6m EME antenna to four nine element yagis, he has completed contacts with 221 countries on 6m, 166 of which were made via 6m EME. He has published numerous articles and guidelines and written computer programs to assist operators around the world in successfully operating EME, and has given many people their first 6m EME contact. In 2011, he was awarded the Jersey Trophy by UKSMG for his work in helping people get on 6m and for his tireless promotional efforts regarding 6m EME. In 2016, he was honored by the CSVHFS with the Mel S. Wilson W3BOC Award "For Continuous Service & Dedication Towards Promoting VHF & UHF Amateur Radio Activity".

He retired for medical reasons in 2007, and since then has made 6m EME DXpeditions to E51 (The South Cook Islands), 3D2 (Fiji), 5W (Samoa), E6 (Niue), TX5K (Clipperton Island), KH8 (American Samoa), V6 (Micronesia) twice, T8 (Palau), VK9C (Cocos/Keeling), VK9X (Christmas Island), C2 (Nauru), CP (Bolivia) and S79 (Seychelles). In fall of 2021 he is planning to activate FO/A (Austral Islands) and FO/M (Marquesa Islands) in French Polynesia. He is credited by the American Radio Relay League with completing fourteen 6m "firsts" from the USA to new DXCC. On his birthday in 2015, he completed a 6m EME contact with KB3SII and K1WHS in FN67, and received the seventh ARRL FFMA award issued. Lance has demonstrated the ability to keep up with technical developments and successfully use new modes to capitalize on the propagation opportunities available on 6m. Much information about his 6m weak signal work - as well as his previous trips to activate rare countries for the first time on 6m EME, and his free GJTRACKER moon tracking program – are available on his web site.

In addition to his amateur radio activities, Lance enjoys singing bass in various choirs. He toured with the Middlebury College Choir, has sung with the Missoula Symphony Chorale for over three decades, and participated in Eric Whitacre's Virtual Choirs 3,4,5 and 6. He also was accepted to sing in Disney's World of Color Honor Choir, which was a virtual choir opening Disney's World of Color program at Disney World. Lance also sang with Eric Whitacre at Lincoln Center in New York City at the end of March, 2014, and at Carnegie Hall in April 2018. He serves on the Board of Directors for the International Choral Festival, which brings choirs from all over the world to Missoula, Montana every 3 years. He also sings in his church choir at Holy Spirit Episcopal church in Missoula, Montana. Lance married Judge Karen A. Orzech in 1996, and has one daughter, Brittany, who is married with 2 young daughters of her own.



**2021  
Board of Directors**

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Larry Mallek K6YUI

Vice President

John Schroeder N6QQ

Treasurer

Bill Kendrick N6RV

Secretary

Don Minkoff NK6A

Director

Bill Erickson, N6MXU

Director

Gary Lopes WA6MEM

Director (Past President)

Scott Orr W6MKO

**APPOINTEES**

Repeater Chair

Chip Angle N6CA

Newsletter Editor

Bill Kendrick N6RV

Webmaster

Jim Shryne N6DHZ

## From the Desk of the President

### Larry Mallek, K6YUI

Hello fellow DXers:

Well here it is just about the end of June. I hope that everyone has their shots. I went to Costco yesterday and not everyone had a mask on. I still have mine as from what am hearing not everyone got their shots. Better to be safe than sorry. Well nothing new on the bands at my QTH just a lot of QRM.

I now have a house with hot water as the whole house was redone using PEX and closing off all the pipes coming up from the floor. All the PEX is installed from the attic and I now have some new holes in the walls in some rooms. They will be fixing all the holes soon.

Just as I started to see things going back to normal I received an e-mail from the wife of Les Tucker, K7ZF ex WB6QNO in Washington that he had passed away that week. Les and I go way back some 50 years as did Ernie, N6HY as he worked with Les before I knew him.

Well things are going forward for the Convention in 2022 and there should be some information from N6RV coming real soon to everyone.

I think we are getting closer to having a club meeting in person.

Good DXing to all.

***73, and Best of Health!***

***Larry Mallek, K6YUI***

***President, Southern California DX Club***

## July Calendar

July 2	DL DX Contest RTTY
<b>July 8</b>	<b>Zoom Club Meeting 6:30 PM</b>
July 17	NAQP RTTY

For more contest Info see: <http://www.hornucopia.com/contestcal/contestcal.html>



## VP July 2021 Blurb

### John Schroeder, N6QQ

Hello SCDXC Members!

The bands are showing lots of late hour openings!

17 meters is open to Europe as late as 1:00 PM local time.

20 meter is open to Europe as late as 2:00 PM local time.

6 meters is open almost everyday. (See the second page of Get Schroeder Contest.)

Meanwhile, check out the following Web sites for propagation:

VOACAP predication Web page at: <http://www.voacap.com/hf>

DX.QSL.NET Propagation page: <https://dx.qsl.net/propagation>

A daily HF radio wave propagation forecast can be found at: <https://www.facebook.com/thomasfranklingiellaw4hm>

SolarHam Web page: <http://www.solarham.net>

Radio Propagation/Space Weather/Sunspot Cycle Information at: <http://sunspotwatch.com>

Space Weather Prediction Center (SWPC) & National Oceanic and Atmospheric Administration (NOAA):

<https://www.swpc.noaa.gov>

Monthly propagation charts between four USA regions and twelve overseas locations are at: <http://arri.org/propagation>

Information and tutorials on propagation are at: <http://k9la.us>

Graphic propagation tool by DR2W: <http://www.dr2w.de/dx-propagation>

Point to point propagation at: <http://www.predtest.uk/p2p.html>

Real-time propagation at: <http://www.predtest.uk>

Iso on Twitter: <https://twitter.com/@GiellaW4hm>

**73 and Good DXing!**

**John Schroeder**

**N6QQ**

<https://www.grz.com/db/n6qq>

ARRL and CQ QSL card checker



## Rumors on the Band

The openings continue! We had Europe on 40-15 meters and good openings on 12 - 6 meters. The 6 meter season to Europe should be kicking off this month! Unfortunately the DXpedition selection is pretty thin. There are still hundreds of entities to work. It is easy to achieve DXCC in a week!

QTH	Call	Start Date	End Date	Information
Niger	5UAIHM	Now	15-Jun	F5IHM 40, 20M CW
Martinique	FM/OQ3R	Now	5-Jun	ON4RU 160-10M CW
Tonga	A35JP	Now	30-Jun	JA0RQV 80-6M CW SSB FT-8
British Virgin Islands	VP2V/NC3Z	3-Jun	14-Jun	NC3Z HF
Ogasawara Island	JD1BLY	10-Jun	12-Jun	J15RPT 40 - 6M CW, SSB, FT-8
Liechtenstein	HB0/HB9HBY	30-Jun	4-Jul	HB9HBY 160 - 10M CW SSB FT-8

### ClubLog Top 50 Most Wanted Entities

- 1 P5 DPRK (NORTH KOREA)
- 2 3Y/B BOUVET ISLAND
- 3 FT5/W CROZET ISLAND
- 4 BS7H SCARBOROUGH REEF
- 5 CE0X SAN FELIX ISLANDS
- 6 BV9P PRATAS ISLAND
- 7 KH7K KURE ISLAND
- 8 KH3 JOHNSTON ISLAND
- 9 3Y/P PETER 1 ISLAND
- 10 FT5/X KERGUELEN ISLAND
- 11 FT/G GLORIOSO ISLAND
- 12 VK0M MACQUARIE ISLAND
- 13 YV0 AVES ISLAND
- 14 KH4 MIDWAY ISLAND
- 15 ZS8 PRINCE EDWARD & MARION ISLANDS
- 16 PY0S SAINT PETER AND PAUL ROCKS
- 17 PY0T TRINDADE & MARTIM VAZ ISLANDS
- 18 KP5 DESECHEO ISLAND
- 19 SV/A MOUNT ATHOS
- 20 VP8S SOUTH SANDWICH ISLANDS
- 21 KH5 PALMYRA & JARVIS ISLANDS
- 22 ZL9 NEW ZEALAND SUBANTARCTIC ISLANDS
- 23 EZ TURKMENISTAN
- 24 JD/M MINAMI TORISHIMA
- 25 YK SYRIA
- 26 FK/C CHESTERFIELD IS.
- 27 VK0H HEARD ISLAND
- 28 FT/T TROMELIN ISLAND
- 29 ZL8 KERMADEC ISLAND
- 30 KH8/S SWAINS ISLAND
- 31 KH1 BAKER HOWLAND ISLANDS
- 32 XF4 REVILLAGIGEDO
- 33 VP8G SOUTH GEORGIA ISLAND
- 34 KH9 WAKE ISLAND
- 35 T33 BANABA ISLAND
- 36 VK9M MELLISH REEF
- 37 T31 CENTRAL KIRIBATI
- 38 VK9W WILLIS ISLAND
- 39 FO/C CLIPPERTON ISLAND
- 40 FT/J JUAN DE NOVA, EUROPA
- 41 3D2/C CONWAY REEF
- 42 TI9 COCOS ISLAND
- 43 HK0/M MALPELO ISLAND
- 44 KP1 NAVASSA ISLAND
- 45 7O YEMEN
- 46 VP8O SOUTH ORKNEY ISLANDS
- 47 FT5Z AMSTERDAM & ST PAUL ISLANDS
- 48 H40 TEMOTU PROVINCE
- 49 ZD9 TRISTAN DA CUNHA & GOUGH ISLANDS
- 50 VU4 ANDAMAN & NICOBAR ISLANDS

### CADXA Most Wanted DXCC Entities

#### The Persian Gulf Hams



#### LZ5R 3 Element 80 Meter Yagi





## DX Standings

Thanks to W6ENZ, N6WS, NZ6L, and K6RI for their updates.

This is the middle of the year. Please review your standings and forward updates to the email address below!

Let's make 2021 the most active year in the last 10! Get on the air!

Send any updates to:

[N6RV@SCDXC.org](mailto:N6RV@SCDXC.org)

### SCDXC WAZ and DXCC Standings

The first WAZ column is the confirmed zone count on 10 bands 160 - 6 (less 60 meters). The second column is the regular 5BWAZ confirmed count. The following are the codes that follow the two columns and indicate the awards:

M	Mixed
P	Phone
C	CW
R	RTTY

SCDXC Lifetime Standings										WAZ Standings				
Rank	Call	Total	Current	Slots	Rank	Call	Total	Current	Slots	Rank	Call	11B	5B	Awards
1	W6KH	389	340		63	K6QU	330	324	1540	1	N0FW	418	200	M/P/C/R
2	K6KII	388	340		64	AA6PW	328	328	1709	2	WA5VGI	408	200	M/P/C/5
3	JA1BK	383	340	3147	65	N6AX	327	327	1198	3	K6ND	407	200	M/5
4	K6YRA	378	340	2272	66	AC6DX	322	320	1887	4	N6WS	404	200	M/P/C/R
5	OH2BH	378	340		67	N6NPG	319	319		5	W6SR	382	200	M/P/C/5
6	ON4UN	373	340	1975	68	K7MY	319	317	831	6	K6FG	368	200	M/P/C/R/5
7	N0FW	372	340	2978	69	AK6I	317	317		7	W8DX	357	200	M/5
8	N6UC	368	339		70	W1YL	315	315		8	N6AW	355	200	M/P/C/5
9	DJ9ZB	366	340	2665	71	KC6T	314	314		9	K6YUI	353	200	M/P/C/R/5
10	K6YUI	366	340	2598	72	N6GP	314	292	1583	10	K6YRA	337	200	P/5
11	W6BCQ	365	339	1600	73	W6HB	311	311	1029	11	N6OU	220	200	
12	NS6C	361	340	2503	74	N6VNI	311	309	1550	12	SM5GMZ	352	200	M/P/C/5
13	K6SMF	360	338		75	NK6A	307	300	957	13	W6VX	352	199	M/P/C
14	W6SR	359	340	2799	76	N6WT	300	300	1639	14	K6GXD	358	198	M
15	W6HT	358	340		77	K6IRD	298	292	649	15	W6ENZ	350	197	
16	K6FG	357	340	2774	78	ZL3TE	297	295	1430	16	K6RO	331	197	M/P/C
17	K8RD	357	340		79	N6DHZ	295	289	1053	17	N6HY	365	196	M/P/C
18	WA6WZO	357	339		80	N6UOZ	280	280		18	W6TK	341	195	
19	N6RV	356	339	2302	81	KT6LA	279	277	1035	19	A16Z	321	194	
20	W6OU	356	337	1599	82	WA6WDX	274	220		20	N6MXU	155	193	
21	K6GXD	355	340	2633	83	K6RI	269	269	764	21	N6RV	366	192	M/P/C/R/5
22	K5KT	355	340		84	K6VC	259	225		22	NS6C	342	192	
23	W6TJI	355	338		85	K6SS	255	225	882	23	KR6C	333	188	M/P/C/R/5
24	K6IPV	355	335	1800	86	W3SE	249	244	754	24	N6PE	331	186	
25	N6QQ	354	338	2178	87	W6DOE	244	244	1005	25	KC6X	320	189	
26	W6IRD	354	338		88	N6PM	244	243	1220	26	N6QQ	337	187	
27	W8DX	352	339	2517	89	KQ6K	243	243		27	KM6HB	316	186	
28	N6WS	351	339	2465	90	N6VOH	243	222		28	W6DR	325	185	
29	W6RW	351	337	1991	91	N6HE	237	229	746	29	AC6DX	321	185	
30	W6TK	350	340	1945	92	W6LEN	236	236	771	30	W6YOO	308	185	
31	W6YOO	350	340	2130	93	K6JEY	234	234		31	N6GP	304	184	
32	KC6X	350	339	2081	94	N6AA	222	222		32	W6OU	300	185	
33	N6HK	350	340		95	W6WVW	220	220	691	33	K7ACZ	308	183	
34	N7NR	350	329	1127	96	K6AWB	219	219		34	K4ST	278	182	
35	W6FL	350	336	1380	97	K6DDJ	214	211	551	35	ZL3TE	298	181	
36	W6KK	349	340	1864	98	NE6V	213	213	663	36	AA6PW	291	181	
37	W6ENZ	349	339	2448	99	W6KC	203	202	589	37	N6VNI	299	178	
38	W6VX	349	339	2772	100	W0PE	201	201		38	K6SY	261	178	
39	N6HC	349	340	2388	101	W6JEA	195	195		39	K6KI	191	177	
40	KJ6Y	348	340	1312	102	N6LL	169	169		40	KT6LA	233	173	
41	WA5VGI	348	340	2744	103	KF6I	166	166		41	K0OK	286	173	
42	K6ND	348	340	2790	104	K7LA	160	160	365	42	K6SY	261	178	
43	N6IC	347	337		105	W6EA	152	152		43	W6ZPL	237	173	
44	SM5GMZ	346	335	2379	106	W6QE	149	149	224	44	KJ6Y	261	172	
45	KR6C	345	339	2074	107	N6DBF	142	142	374	45	N6WT	326	169	
46	N6HY	345	337	2424	108	AB9A	141	141		46	N6DHZ	253	168	
47	K6RO	346	338	2256	109	KI6RRD	139	138	376	47	N6HE	206	158	
48	K6LPO	344	331	1236	110	N6CA	133	133		48	N6PM	290	157	
49	N6PEQ	343	337	1941	111	NZ6L	129	128	302	49	NK6A	217	156	
50	KM6HB	343	336	1933	112	N6RU	129	128	279	50	W6KC	161	153	
51	N6PE	343	331	1941	113	K6MKL	126	126	185	51	W6FL	256	149	
52	A16Z	342	335	2174	114	K6DSW	122	122	268	52	NE6V	213	142	
53	K7ACZ	341	337	1756	115	KC6TOD	120	120		53	K7MY	227	141	
54	N6MXU	341	331	1416	116	W6MKO	110	0	0	54	KB6CIO	205	132	
55	N6XT	339	332	1413	117	K9TAD	109	109	137	55	K6DDJ	182	132	
56	W6SW	339	331	540	118	KA6D	107	107		56	KB6CIO	205	132	
57	W6ZPL	338	335	1367	119	K6BBC	103	103		57	K6RI	220	130	
58	K4ST	337	333	1843	120	NQ6L	101	101		58	K6IRD	154	126	M/P
59	K2IXQ	337	332	1746	121	K6SBA	100	100		59	W6SW	149	119	
60	K6SY	335	329	1070	122	N6YQ	100	100		60	N6DBF	179	118	
61	K6JW	333	327	1068	123	WA6MEM	100	100		61	KI6RRD	181	113	
62	W6DR	331	326	1431	124	N6RRY	100	70	125	62	W3SE	102	112	
										63	W6IRD	151	111	M/P
										64	W6MKO	145	96	
										65	K6VC	96	96	M/P
										66	N6RU	132	96	
										67	K0XP	124	88	
										68	W6EA	92	86	
										69	KE6PLA	123	81	
										70	N6UC	78	78	M
										71	K6QU	105	69	
										72	KA6TTV	82	67	
										73	N6RRY	76	65	
										74	K9TAD	64	57	
										75	KJ6UVQ	69	52	
										76	K6JW	40	40	M/P
										77	N6HK	40	40	M
										78	W6DOE	37	37	
										79	W6LEN	33	27	
										80	K6FOD	17	13	
										81	N6HC	17	13	M/P/C
										82	KB6TKV	17	13	P
										83	K8RD	17	13	C



# 2021 Get Schroeder Contest

1A0	4S	7Q	A3	CE9	E7	FK	GI	HS	KH0	LZ	PJ7	T2	TY	VK9L	VU4	YV0
1S	4U1ITU	7X	A4	CN	EA	FK/C	GJ	HV	KH1	OA	PY	T30	TZ	VK9M	VU7	Z2
3A	4U1UN	8P	A5	CO	EA6	FM	GM	HZ	KH2	OD	PY0F	T31	UA	VK9N	XE	Z3
3B7	4W	8Q	A6	CP	EA8	FO	GU	I	KH3	OE	PY0S	T32	UA0	VK9W	XF4	Z6
3B8	4X	8R	A7	CT	EA9	FO/A	GW	IS0	KH4	OH	PY0T	T33	UA2	VK9X	XT	Z8
3B9	5A	9A	A9	CT3	EI	FO/C	H4	J2	KH5	OH0	PZ	T5	UJ	VP2E	XU	ZA
3C	5B	9G	AP	CU	EK	FO/M	H40	J3	KH6	OJ0	R1F	T7	UN	VP2M	XW	ZB2
3C0	5H	9H	BS7H	CX	EL	FP	HA	J5	KH7K	OK	S0	T8	UR	VP2V	XX9	ZC4
3D2	5N	9J	BU	CY0	EP	FR	HB	J6	KH8	OM	S2	TA	V2	VP5	XZ	ZD7
3D2/C	5R	9K	BV9P	CY9	ER	FS	HB0	J7	KH8S	ON	S5	TF	V3	VP6	YA	ZD8
3D2/R	5T	9L	BY	D2	ES	FR/G	HC	J8	KH9	OX	S7	TG	V4	VP6/D	YB	ZD9
3DA	5U	9M2	C2	D4	ET	FR/J	HC8	JA	KL7	OY	S9	TI	V5	VP8	YI	ZF
3V	5V7	9M6	C3	D6	EU	FR/T	HH	JD1/M	KP1	OZ	SM	TI9	V6	VP8/G	YJ	ZK3
3W	5W	9N	C5	DL	EX	FT5W	HI	JD1/O	KP2	P2	SP	TJ	V7	VP8/H	YK	ZL
3XA	5X	9Q	C6	DU	EY	FT5X	HK	JT	KP4	P4	ST	TK	V8	VP8/O	YL	ZL7
3Y/B	5Z	9U	C9	E3	EZ	FT5Z	HK0/M	JW	KP5	P5	SU	TL	VE	VP8/S	YN	ZL8
3Y/P	6W	9V	CE	E4	F	FW	HK0/S	JX	LA	PA	SV	TN	VK	VP9	YO	ZL9
4J	6Y	9X	CE0X	E5/N	FG	FY	HL	JY	LU	PJ2	SV/A	TR	VK0H	VQ9	YS	ZP
4L	7O	9Y	CE0Y	E5/S	FH	G	HP	K	LX	PJ4	SV5	TT	VK0M	VR	YT	ZS
4O	7P	A2	CE0Z	E6	FJ	GD	HR	KG4	LY	PJ5	SV9	TU	VK9C	VU	YV	ZS8

Chart Legend	
White / Green	Entity Worked This Year by a Member
Black / White	Very Active Entity Not Yet Worked
Black / Blue	Entity with Announced DXpedition
Black / Yellow	Rarely Active Entity Not Yet Worked
Black / Red	Inactive Entity
	Deleted Entity

Well things have slowed down a bit. This happens every year. It is a combination of propagation and the fact that most entities available have been worked before.

ClubLog leaders still have 21 entities worked that club members missed. We have only 1 they missed!

It is good to see 21 members passing the DXCC mark and two over 200 with several following close.

Hopefully as the sunspots pick up this summer rare ones will also appear on the horizon!!!

2021 Get Schroeder Leaders							
2021 Total Entities Worked							256
2020 Total Entities Worked							263
2021 Entities Worked by SCDXC							235
2021 Entities Worked by SCDXC Members in SoCal							221
2020 SCDXC Entities Worked							262
2021 ClubLog Leaders Entities Worked							255
2020 ClubLog Leaders Entities Worked							263
2020 Total Entities Worked by SCDXC Members							262
2020 SCDXC Leader (N0FW)							256
2020 Total Entities Worked by ClubLog Leaders							263
2020 ClubLog Leader (N0FW)							256
Rank	Call	Entities	Last Mo	Last Yr	Leader	-Tot	-Q
1	N0FW	218	2	-38	0	17	-48
2	K6RO	204	9	-18	-14	31	-34
3	N6RV	195	4	-14	-23	40	-25
4	N6WS	193	4	-36	-25	42	-23
5	W6TK	191	8	-34	-27	44	-21
6	W6OU	184	6	-24	-34	51	-14
7	WA5VGI	179	5	13	-39	56	-9
8	N6QQ	170	15	-39	-48	65	0
9	K6ND	162	32	90	-56	73	8
10	K6RI	141	8	34	-77	94	29
11	N6PM	139	9	-35	-79	96	31
12	KB6CIO	133	3	-28	-85	102	37
13	SM5GMZ	123	0	-57	-95	112	47
14	AI6Z	121	16	-33	15	114	49
15	N6DZH	119	8	-28	-99	116	51
16	NZ6L	114	5	-63	-104	121	56
17	WB6DJI	108	52	11	2	127	62
18	ZL3TE	106	0	-34	-112	129	64
19	N6WT	106	14	-131	-112	129	64
20	W6ENZ	102	1	-2	-116	133	68
21	NS6C	101	8	-76	-5	134	69

SCDXC Get Schroeder Standings 2021															
Rank	Call	160	80	60	40	30	20	17	15	12	10	6	Total	Slots	YRS
1	N0FW	76	114	92	143	139	178	152	106	37	29	52	218	1118	25
2	K6RO	9	48	50	87	77	185	164	115	44	40	12	203	831	33
3	N6RV	0	66	34	131	68	142	79	92	12	25	21	195	670	53
4	N6WS	3	51	38	114	20	134	112	66	27	20	28	193	613	57
5	W6TK	7	54	30	116	77	152	127	79	33	31	0	191	706	64
6	W6OU	0	1	0	65	29	119	26	15	0	1	3	184	259	58
7	WA5VGI	23	39	43	88	67	117	120	83	36	35	7	179	658	37
8	N6QQ	0	0	2	67	106	147	129	90	35	41	18	170	635	64
9	K6ND	40	44	62	63	77	65	105	72	58	19	19	162	623	30
10	K6RI	0	9	5	13	46	50	59	17	0	0	8	141	207	8
11	N6PM	7	19	8	48	51	63	80	37	12	18	0	138	343	27
12	KB6CIO	6	68	5	28	32	54	56	30	18	25	3	133	325	38
13	AI6Z	0	14	0	46	9	104	5	37	3	6	0	121	224	28
14	N6DZH	2	18	0	63	6	90	27	45	1	16	0	119	268	33
15	NZ6L	0	8	0	56	76	76	38	21	6	4	1	114	286	17
16	WB6DJI	0	0	0	54	1	85	28	19	0	5	4	108	196	8
17	ZL3TE	0	0	16	42	69	42	7	67	2	12	2	106	259	17
18	N6WT	4	5	1	25	19	68	34	21	0	5	4	106	186	7
19	SM5GMZ	31	22	25	11	18	28	32	44	15	16	0	104	242	52
20	W6ENZ	0	31	0	18	74	40	59	11	9	0	13	102	255	54
21	NS6C	7	10	0	16	27	54	33	4	3	1	5	101	160	64
22	N6VNI	2	9	0	15	37	75	24	29	1	1	1	95	194	32
23	K6SY	0	15	0	33	16	43	23	15	0	1	3	74	149	52
24	K6JW	0	36	0	8	2	15	31	3	0	0	3	67	98	62
25	NK6A	0	3	0	22	0	52	0	44	0	10	0	63	131	76
26	K6FG	5	14	0	18	11	36	22	9	7	0	6	62	128	65
27	K6FI	7	7	2	22	4	36	20	21	0	3	6	60	128	47
28	N6GP	1	10	0	18	0	44	0	23	1	8	4	59	109	33
29	K7MY	0	0	0	16	0	32	0	37	0	10	0	52	95	44
30	W6DR	11	4	0	14	0	37	0	2	0	0	0	48	68	41
31	W6SR	0	1	0	4	0	36	1	10	2	5	3	42	62	54
32	K0XP	8	5	0	13	0	13	0	0	0	0	0	30	39	14
33	W6KC	0	0	0	7	1	9	0	2	0	0	0	14	19	61
33	K6YUI	1	1	0	2	0	9	1	1	1	0	1	11	17	64
34	K9TAD	0	0	0	4	0	5	0	1	0	0	0	8	10	14
35	W6SW	0	0	0	0	0	2	2	2	0	0	0	5	6	42
36	K6FOD	0	0	0	1	0	0	0	0	0	0	0	1	1	3

## SCDXC Worked Not ClubLog

V6

## ClubLog Worked Not SCDXC

4W	A3	HC8	PY0F	Z2
5N	C2	J8	S9	
5U	E4	JD1/M	T2	
7Q	EY	KH8	TJ	
9Q	FH	KH9	VK9L	



Fellowship of the Schroed

All are Welcome!



# 2021 Get Schroeder Contest

We are in Es season! Usual openings are late June early July. On April 21 there was an opening to Fiji (3D2), a new one. Antoine was +14 on FT8. He then scooted down to 50.295 MHz and worked everyone again on CW. He was 12 dB out of the noise (400 Hz BW) hitting about S7. There have been several Hawaiian openings. Openings this early in the season are unusual.

## The Magic Band - G3XTT

## 6 Meter Propagation - K9LA

The Caribbean openings also came early and earlier in the day! On May 24<sup>th</sup> during there was an opening to 8P6ET and J79WTA. It has been years since there was any activity from those two. The opening on May 26<sup>th</sup> started at 1600Z and lasted for 2 hours. VP2EIH was copied.

On June 6 four Hong Kong stations were worked. VR2XYL, VR2XMT, VR2CH and VR2CC. This is the first time since 2001 that Hong Kong was heard and 2001, during an F2 opening, was the first time ever. This was a first on Es.

Finally, on June 28<sup>th</sup> 5T5PA slipped into the west coast. He was worked by a few stations in San Diego and copied as far north as Los Angeles.

Note that John, N6QQ, with his new 7 element 6 meter beam is really racking up the new ones! You have to be there to work them! Rumble on Mumble or Plumble!

Here are the 39 entities currently worked on 6 meters by SCDXC local members this year.

3D2	EA8	J7	LU	TI	YV
8P	FG	JA	OK	VE	ZF
BY	HC	K	OZ	VK	ZL
CE	HI	KH6	P4	VR	ZL7
CO	HK	KL7	PJ4	XE	
DL	HL	KP2	PY	YB	
E5/N	HP	KP4	TG	YS	

6 Meter Es Openings History by Time (UTC)																								
	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
W. Eu							SLEEP TIME																	
N. Eu																								
E. Eu																								
Afr																								
Car																								
CA																								
S.Am																								
OC																								
AS																								
E. Coast																								

6 Meter Es Openings History by Time (UTC)											
	W. EU	N. Eu	E. Eu	Afr	Car	CA	S Am	OC	AS	EC	
0000	GU				KP4 CM	TI, YS	HC, HK, CE		JA, HL	X	
0100					CO				JA	X	
0200									JA, KL7	X	
0300		OX							JA, KL7	X	
0400		OX							JA, KL7	X	
0500										X	
0600											
0700											
0800											
0900											
1000											
1100											
1200											
1300											
1400	9A, DL, G, GM, I, S5,		LZ		CO					X	
1500	F, G, I, OE, S5, SP	SM	HA		VP9 KP2					X	
1600	CT1, CU, EA, G, GD, GI, GM, GW, I, OE			EA8	HI KP4 VP2E	YS				X	
1700	DJ, GM, S5, OZ			EA8	HI KP4 VP2E					X	
1800	DL PA EI OK			EA8	KP4		PY			X	
1900	PA EI	OH, SM, JW		EA8				KH6		X	
2000		OH, SM, TF, JW			CO, KP4	TG	PY	KH6		X	
2100					CO, KP4		9Y, HK, YV		JA	X	
2200				EA8	CO, KP4, ZF	TG, TI, YS	9Y, PY, HK, HC		JA, VR	X	
2300	GU				CO, ZF	TG	HK, CE		JA, HL, VR	X	

160M SCDXC Standings			6M SCDXC Standings			2021 SCDXC Slot Leaders		
Rank	Call	DX	Rank	Call	DX	Rank	Call	Slots
1	N0FW	76	1	N0FW	52	1	N0FW	1118
2	K6ND	40	2	N6WS	28	2	K6RO	831
3	SM5GMZ	31	3	N6RV	21	3	W6TK	706
4	WA5VGI	23	4	K6ND	19	4	N6RV	670
5	W6DR	11	5	N6QQ	18	5	WA5VGI	658
6	K6RO	9	6	W6ENZ	13	6	N6QQ	635
7	K0XP	8	7	K6RO	12	7	K6ND	623
8	W6TK	7	8	K6RI	8	8	N6WS	613
9	N6PM	7	9	WA5VGI	7	9	N6PM	343
10	NS6C	7	10	KF6I	6	10	KB6CIO	325
11	KF6I	7	11	K6FG	6	11	NZ6L	286
12	KB6CIO	6	12	NS6C	5	12	N6DHZ	268
13	K6FG	5	13	N6WT	4	13	W6OU	259
14	N6WT	4	14	N6GP	4	14	ZL3TE	259
15	N6WS	3	15	WB6DJI	4	15	W6ENZ	255
16	N6DHZ	2	16	KB6CIO	3	16	SM5GMZ	242
17	N6VNI	2	17	W6OU	3	17	A16Z	224
18	N6GP	1	18	K6SY	3	18	K6RI	207
19	K6YUI	1	19	K6JW	3	19	WB6DJI	196
			20	W6SR	3	20	N6VNI	194
			21	ZL3TE	2	21	N6WT	186
			22	N6VNI	1	22	NS6C	160
			23	K6YUI	1	23	K6SY	149
			24	NZ6L	1	24	NK6A	131
						25	KF6I	128
						26	K6FG	128
						27	N6GP	109
						28	K6JW	98
						29	K7MY	95
						30	W6DR	68
						31	W6SR	62
						32	K0XP	39
						33	W6KC	19
						34	K6YUI	17
						35	K9TAD	10
						36	W6SW	6
						37	K6FOD	1



## Deleted ARRL DXCC Entities

A few years ago, we covered the top 10 most wanted DXCC entities. Those are the entities that many have not yet worked and long to see them on the air. This time around we will look at the ones that got away rather, the ones that went away, the deleted entities. We will start at the top and work our way down the current list of 68 entities. This is a bold endeavor and will take a few years. It is, however, an interesting one. DXing is not only a technical hobby, it involves political states, geography, and history. It teaches us that the world is not static, the only thing that is certain is guaranteed is change and often that change is not for the good. Let us begin.

### Blenheim Reef

Blenheim reef is found in the Chagos Archipelago in the Indian Ocean. It is known as a partly submerged archipelago. There are four cays on the eastern edge that are above water, East Island, North Island, Middle Island and South Island. All are mere sand-bars.

### History

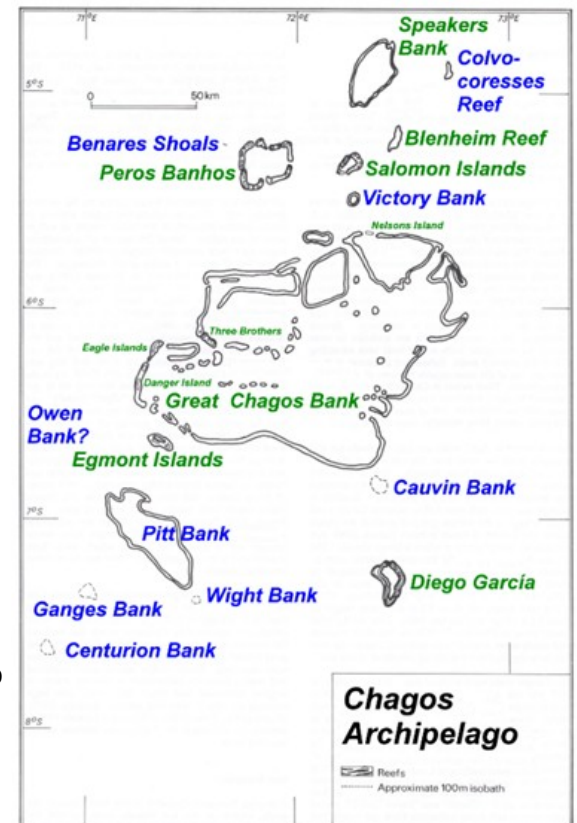
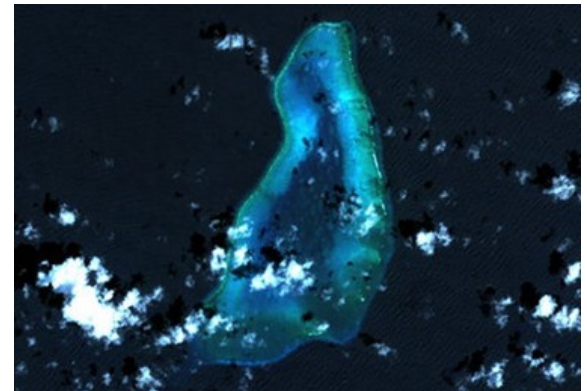
The discovery of the Chagos Archipelago dates back beyond the European explorers. It is said that sailors from the Maldives were stranded there and rescued but the area was too far away to be colonized. During the time of the European explorers the Portuguese rediscovered it and named it Bassas de Chagas, the wounds of the Iberians. It is named after the Holy Wounds of the crucifixion of Jesus. The French laid claim on it in 1665 and Named Mauritius Ile de France. The French processed coconut oil on the islands. The region which was known as Mauritius, and was considered an integrated territory. Chagos was a dependency of Mauritius.

In 1786 the British laid claim on the region but it wasn't until 1814 that France ceded the region to Britain. The British established the first successful colony in 1793.

They set up coconut plantations on many of the atolls. They were worked by slaves who became free. These became the occupants of the area and were known as Chagossians. They were a Bourbonnais-Creole speaking people.

In 1965 the United Kingdom separated Chagos from Mauritius, evicted the Chagossians, then gave the US permission to set up a military base on Diego Garcia. It is interesting to note that Diego Garcia and Chagos are separate entities.

On June 22, 2017 the International Court of Justice determined that the separation of the Chagos Archipelago from Mauritius was unlawful as was the decolonization. In other words, Chagos is an integral part of the Mauritius region. They ordered Britain to depart. Britain did not acquiesce. Looking at the map Blenheim Reef is very close to many of the islands in the Chagos Archipelago.





Saloman Island is less than 6 miles away. In fact, the whole Chagos Archipelago is less than 100 miles in length, including Diego Garcia. It begs the question; "Why was it ever a separate entity?". The answer is probably that it was never incorporated into the Chagos Archipelago until 1975. It was a lone orphan reef!

Blenheim Reef is approximately 7 miles long and 2.5 miles wide occupying 14.2 square miles with a 3.25 square mile lagoon. The reef is named after the ship that first discovered it on May 5, 1836. There have been an estimated 57 ship wrecks on the reef with 200 lives lost. From 1845 to 1860 guano was mined but the environment was too harsh and transportation too limited. In 1880 there was an attempt to farm coconut trees there but they were washed away during a storm. In 1975 it was incorporated into the Chagos Archipelago and claimed by Mauritius. Before that it was not part of any nation.

## Climate

The Chagos Archipelago has a tropical oceanic climate; hot and humid but moderated by trade winds. Climate is characterized by plenty of sunshine, warm temperatures, showers and light breezes. December through February is considered the rainy season (summer monsoon); typical weather conditions include light west-northwesterly winds and warmer temperatures with more rainfall. June to September is considered the drier season (winter), characterized by moderate south-easterly winds, slightly cooler temperatures and less rainfall. The annual mean rainfall is 100 inches, varying from 105 4 inches during August to 14 inches during January.

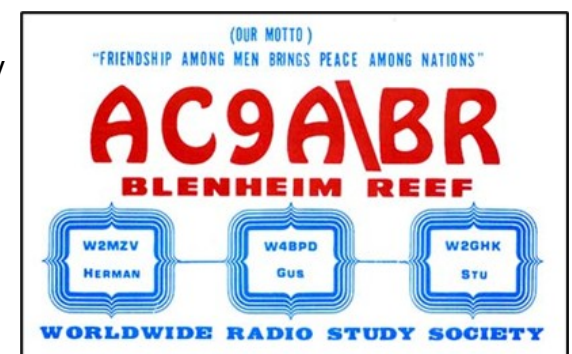
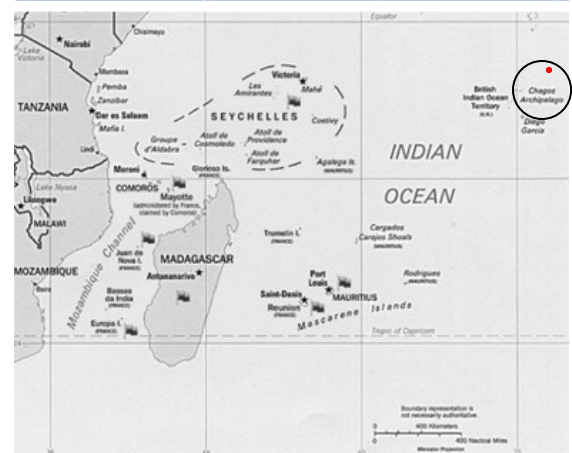
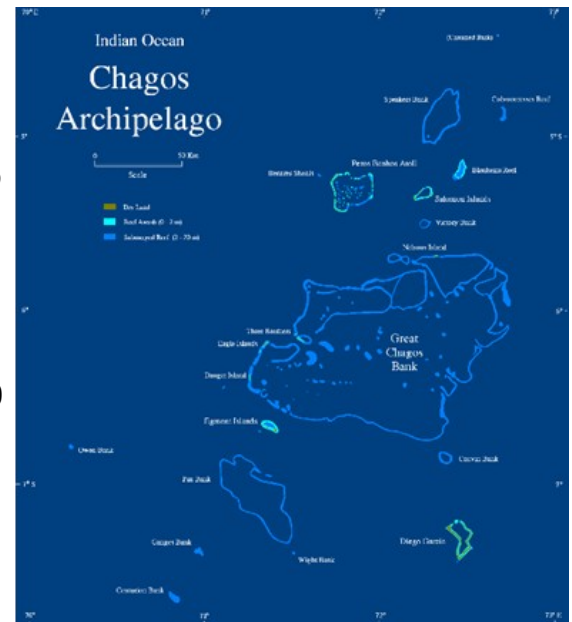
## DXpeditions

There is not much information out there. The reef was activated once by Don Miller on January 23, 1967 for 1 day. The ARRL questioned the validity of Don's DXpedition. It was in the days of the wild west for DXpeditions. There were no rules and if you named it and claimed it you were given credit! It nevertheless stood the test and a valid contact with Don went down in the annals of the DXCC.

There was a second DXpedition on February 2, 1970 led by Gus Browning, W4BPD. Gus was joined by W2MZV and W2GHK. They used a Drake T4XB / R4B combo with a TH3jr triband yagi and an 18 AVG vertical.

There is no record on the web as to why it was deleted entity.

Hopefully, we will find some new out of the way entities where we can make 1-day trips and excite the DX community with a new one!





## TID BITS

### For Sale (N6CA)

#### **SteppIR DB18E**

4 years old, initially painted with Rust-Oleum Winter gray paint.

Latest firmware update in SDA100 Controller, with serial interface and PTT Line Interrupt

This antenna has:

3 Elements on 30m thru 10m

2 elements on 40m

140 foot control cable

(3) element truss kits w/ new SS clamps

boom truss w/ new SS clamps

Instruction manual (also available on-line if needed)

New sweep tube gasket materials and tape, ready for assembly

The new cost today for this antenna is \$5,423, plus shipping.

**Asking \$2,300**

Antenna has been removed from the tower, refurbished and completely checked out even with full extension of elements and cleaned. Antenna is ready for assembly.

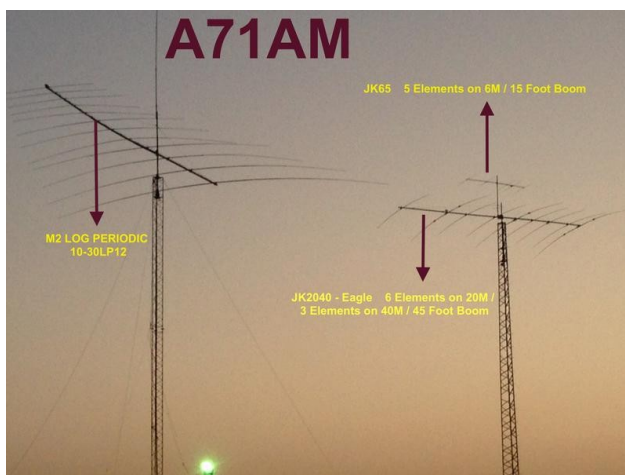
Sorry, no shipping. Pick up only in Lomita CA 90717

73 Chip N6CA (310) 989-7004

### Bob Sherwood RX Performance (W6HB)

Check out Transceiver performance for the HF DX & contest operator with Rob Sherwood, NC0B

<https://www.youtube.com/watch?v=ZLkEe6oOtsc>





## TID BITS

### For Sale (W6HB)

#### **For Sale:**

##### **Icom 756 Pro III**

Excellent condition All functions work. Radio was refurbished last year. Very little use since then. Includes standard mic, Power cable, USB cable for software control, Original manual.

**Price - \$850**

##### **Icom 7300**

Excellent condition. All functions work. Includes USB software control cable, power cable, standard mic, Heil ICM Mike, Heil PL-2T mike stand, Heil foot switch, original box and manual. Price if delivered by me in the Inland Empire or Orange County, maybe parts of Los Angeles County - **\$999.00. or, \$875 for the 7300 by itself.**

##### **Icom 706 MKIIG**

Lightly used radio from a friend who is now SK. Cosmetically very good. Never been mobile. Included are the standard microphone, HM-118TN DTMF Mike, Samlex SEC 1233 power supply. Face-plate mount and separation cable.

**\$750.**

##### **Icom AH-4 Tuner**

New in the box. Purchased in 2015, but the old one kept running. Included are original box, documents, etc. And, the original AH-4 for Parts Only comes with it.

**\$250.**

##### **DAIWA Manual Antenna Tuner, CNW-419**

I purchased this on QRZ back in 2014. I didn't use it too much, but it was an excellent backup for my Icom AH-4. If you're looking for a manual tuner, check out the reviews at e-ham.com at this address: <https://www.eham.net/reviews/view-product?id=2923>. I've printed out the 4 page manual and will include it for your convenience.

**Price will be \$245.**

For shipping, I'm willing to meet you half way from an Orange County, Inland Empire, or Los Angeles County location. You may be thinking, why would he want to deliver the box? I've seen what bad things can happen when a unit is shipped. It only happened once, but that was enough. If I absolutely have to have a carrier deliver it, you will pay full shipping charges for USPS delivery and insurance for the sale price. My experience with the Post Office has been excellent, so that's what I use.

No returns on the equipment. Check out my transactions on QRZ or eBay to get an idea of my ratings if you like.

Harold Hackman, W6HVB\_  
w6hvh1@gmail.com  
714-336-5444



## TID BITS

### Moonbounce Anyone? (N6CA)

Chip has been laboring for a few years to build an elevation assembly for his 6 meter yagi. In between installing Dave, WA6CGR's tower and antennas Chip has finished the task. Not only will the 40 foot 6 meter yagi be on the elevation assembly, he placed his 2 meter beam on the boom truss as well. The design is elegant. He placed a pivot assembly on the boom. Placed on both sides of the boom are two cables, pull up and a return that is tensioned by a spring. The pull up cable is attached to a linear actuator that pulls the boom in the upward direction. Both cables are passed through secondary pulleys keeping the cables close to the mast.

Now why elevate a yagi? Obviously moonbounce requires raising the antenna in elevation to point at the moon. With the advent of WSJTx communication can be accomplished with a single yagi and moderate power.

The other reason is not so obvious. There is a claim floating around that elevating the yagi 15 degrees improves the signal to noise on 6 meter long haul. It sounds like this should have been already proven given all the moonbounce stations but not quite. If it is proven then there will be a market for small inexpensive elevation mechanisms.





# Resource Page

## Useful Sites

**N0HR DXpedition Map**  
[www.n0hr.com/wk34/](http://www.n0hr.com/wk34/)

**The DX Zone**  
[www.dxzone.com/catalog/DX\\_Resources/](http://www.dxzone.com/catalog/DX_Resources/)

**The Daily DX**  
[www.dailydx.com/](http://www.dailydx.com/)

**Announced DX Ops**  
[www.ng3k.com/misc/adxo.html](http://www.ng3k.com/misc/adxo.html)

**DXing.info**  
[www.dxing.info/dxpeditions/](http://www.dxing.info/dxpeditions/)

**DX 425 News**  
[www.425dxn.org/dxped/](http://www.425dxn.org/dxped/)

**DX Italia DX News**  
[www.marioi2mqp.it](http://www.marioi2mqp.it)

**DH9SB Weekly DX Calendar**  
<http://www.dx-info.de>

**Southern California Contest Club**  
<http://www.socalcontestclub.org/>

**Sixth District QSL Bureau**  
[www.QSLBureau.org](http://www.QSLBureau.org)

## Propagation

Everyday conditions are improving. Europe is consistently coming in on 15 meters and 10 is coming alive. The SFI and SSN are monotonically increasing! There was only one day last month with zero sunspots and the majority of days were above 30 with the peak day having 53 sunspots. We are on the rise!

**Strongest Cycle Ever?**  
**Biggest Cycle?**

**Understanding Indices - K9LA**

**What to Expect During the Rising Years of Solar Cycle 25 - YouTube**

**The Termination Event | Space-weather.com**

## ARRL VE Exam Sessions

To find an ARRL exam sessions in your area go to the website:

<http://www.arrl.org/find-an-amateur-radio-license-exam-session>

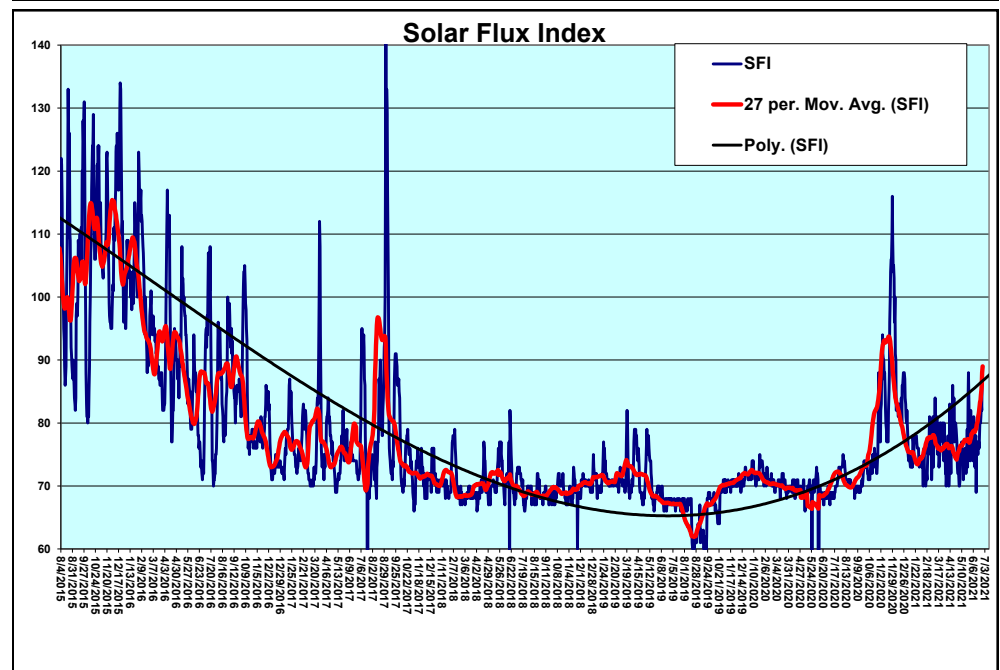
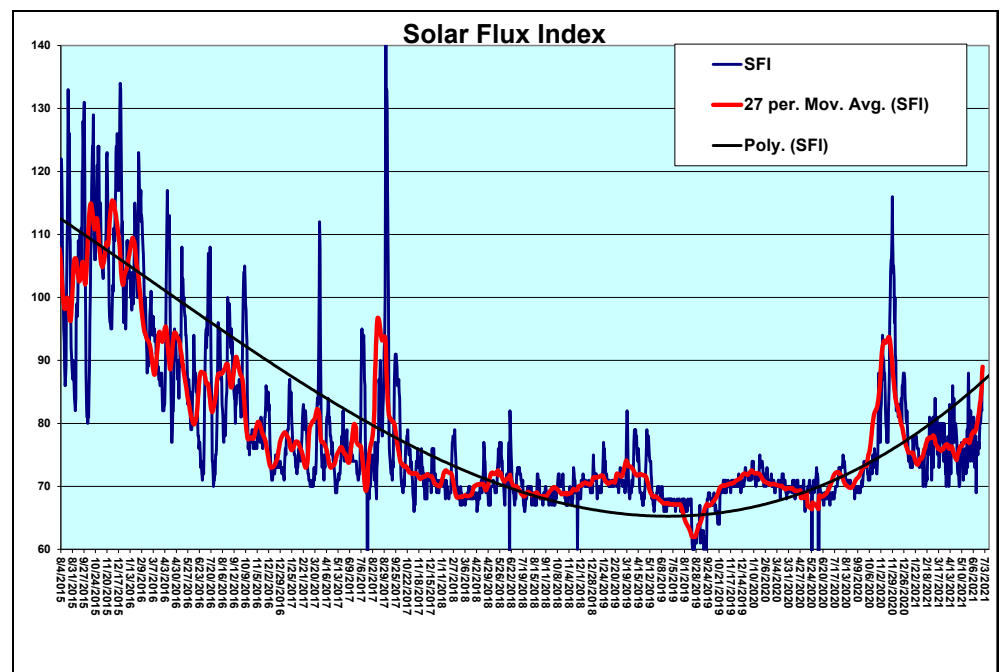
## Club and Conduct Sites

### Officer Guidelines

[http://www.scdxc.org/download/Officer\\_Guidelines.pdf](http://www.scdxc.org/download/Officer_Guidelines.pdf)

### DX Code of Conduct

<http://www.dx-code.org/>







Store	E-mail	Direct	Toll Free	Fax
Anaheim	<a href="mailto:ana@hamradio.com">ana@hamradio.com</a>	1-714-533-7373	1-800-854-6046	1-714-533-9485
San Diego	<a href="mailto:sd@hamradio.com">sd@hamradio.com</a>	1-858-560-4900	1-800-854-6046	1-858-560-1705

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